

Title (en)  
Submersible mixer.

Title (de)  
Tachmischer.

Title (fr)  
Mélageur submersible.

Publication  
**EP 0381635 A1 19900808 (EN)**

Application  
**EP 90850003 A 19900103**

Priority  
DE 3900630 A 19890111

Abstract (en)  
Submersed-motor agitator for mixing and sludge activation vessels having a submersible-motor (4) driven propeller (5) that is mounted so as to be capable of being slid up and down on a guide tube (2) standing vertically to the bottom (1) of the vessel and resting from locking on a support arm (7) that is secured to the guide tube (2) whereby the guide tube (2) is only secured to the bottom (1) of the vessel and is provided with two struts (8, 9) to bear the reaction forces applied by the motor (4) and propeller (5), the said struts (8, 9) being secured at one end to the guide tube (2) beneath the agitator assembly (3) and at their opposite end to the bottom (1) of the vessel.

IPC 1-7  
**A01C 3/02; B01F 3/04; B01F 7/00; C02F 3/20**

IPC 8 full level  
**B01F 27/71** (2022.01)

CPC (source: EP)  
**B01F 27/251** (2022.01)

Citation (search report)  
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• [Y] DE 3427584 A1 19860206 - FRANZ EISELE & SOEHNE GMBH & C [DE]  
• [Y] DE 3420094 A1 19851205 - SUEDSTALL GMBH [DE]  
• [Y] US 4581182 A 19860408 - CRAMER BARRY G [US], et al

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Designated contracting state (EPC)  
AT DK ES FR GB IT SE

DOCDB simple family (publication)  
**EP 0381635 A1 19900808**; AU 4549489 A 19900719; AU 619625 B2 19920130; DE 3900630 A1 19900712; DE 3900630 C2 19930609; JP H02229536 A 19900912

DOCDB simple family (application)  
**EP 90850003 A 19900103**; AU 4549489 A 19891123; DE 3900630 A 19890111; JP 166090 A 19900110